

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

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1. (Currently amended) A method for processing a notification having a tagged tag value, comprising:

- (a) receiving the notification;
- (b) determining a synchronization state; and
- (c) processing the notification based on the tagged value and the synchronization state.

2. (Original) The method of Claim 1, wherein determining a synchronization state, further comprises:

- (a) setting a synchronization currently in process state when a synchronization is in process; otherwise
- (b) setting a synchronization currently not in process state.

3. (Currently amended) The method of Claim 2, wherein processing the notification based on the tagged value and the synchronization state, further comprises determining when the synchronization state is set to the a state of no synchronization currently in process state, and when:

- (a) processing the notification when the tagged value is current with respect to a the current synchronization checkpoint value;
- (b) discarding the notification when the tagged value is stale with respect to the current synchronization checkpoint value; and
- (c) handling the notification when the tagged value is out-of-date with respect to the current synchronization checkpoint value.

4. (Currently amended) The method of Claim 3, wherein handling the notification when the tagged value is out-of-date with respect to the current synchronization checkpoint value, further comprises determining if the tagged value corresponds to a lost request key, and if so processing the notification, otherwise discarding the notification.

a1 5. (Currently amended) The method of Claim 2, wherein processing the notification based on the tagged value and the synchronization state, further comprises determining when the synchronization ~~state~~ currently in process state is set, and when:

(a) queuing the notification when the tagged value is current with respect to a the desired synchronization level;

(b) discarding the notification when the tagged value is stale with respect to the desired synchronization level value or out-of-date with respect to the desired synchronization level and corresponds to a the sync level of a lost sync request; and

(c) handling the notification when the tagged value is out-of-date with respect to the desired synchronization level.

6. (Currently amended) The method of Claim 5, further comprising processing the notification when the synchronization ~~not~~ currently not in process state is set.

7. (Currently amended) A computer-readable medium having computer-executable instructions for processing a notification having a tagged value, comprising:

(a) receiving the notification;

(b) determining a synchronization state; and

(c) processing the notification based on the tagged value and the synchronization state.

8. (Original) The computer-readable medium of Claim 7, wherein determining a synchronization state, further comprises:

- a' (a) setting a synchronization currently in process state when a synchronization is in process; otherwise
- (b) setting a synchronization currently not in process state.

9. (Currently amended) The computer-readable medium of Claim 8, wherein processing the notification based on the tagged value and the synchronization state, further comprises determining when the synchronization state is set to a state of no synchronization currently not in process state is set, and when:

- (a) processing the notification when the a tagged value associated with the notification is current with respect to a the current synchronization checkpoint value;
- (b) discarding the notification when the tagged value is stale with respect to the current synchronization checkpoint value or out-of-date with respect to a the desired synchronization value level and current with respect to a the sync level of a lost sync request; and
- (c) handling the notification when the tagged value is out-of-date with respect to the current synchronization checkpoint value.

10. (Currently amended) The computer-readable medium of Claim 9, wherein handling the notification when the tagged value is out-of-date with respect to the current synchronization checkpoint value, further comprises determining if the tagged value is current with respect to a the lost request key, and if so processing the notification, otherwise discarding the notification.

11. (Currently amended) The computer-readable medium of Claim 8, wherein processing the notification based on the tagged value and the synchronization state, further comprises determining when the synchronization state currently in process state is set, and if so:

a! (a) queuing the notification when the tagged value is current with respect to a ~~the~~ desired synchronization level;

(b) discarding the notification when the tagged value is stale with respect to the desired synchronization level ~~value~~ or out-of-date with respect to the desired synchronization level and current with respect to a ~~the~~ sync level of a lost sync request; and

(c) handling the notification when the tagged value is out-of-date with respect to the desired synchronization level.

12. (Currently amended) The computer-readable medium of Claim 11, further comprising processing the notification when the synchronization ~~not~~ currently not in process state is set.

13. (Currently amended) A system for synchronizing data, comprising:

(a) a processor and a computer-readable medium;

(b) an operating environment stored on the computer-readable medium and executing on the processor;

(c) a communication connection device operating under the control of the operating environment; and

(d) a notification device operating under the control of the operating environment and operative to perform actions, including:

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- (i) receiving ~~a the~~ notification having a tagged value;
 - (ii) setting a synchronization currently in process state when a synchronization is currently in process, otherwise setting a synchronization currently not in process state; and
 - (iii) processing the notification based on the tagged value and the synchronization state.

14. (Currently amended) The system of Claim 13, wherein processing the notification based on the tagged value and the synchronization state, further comprises determining when the synchronization state is set to the synchronization currently not in process state, and when:

- (a) processing the notification when the tagged value is current with respect to ~~a the~~ current synchronization checkpoint value;
- (b) discarding the notification when the tagged value is stale with respect to the current synchronization checkpoint value or out-of-date with respect to ~~a the~~ desired synchronization value level and current with ~~a the~~ lost sync request; and
- (c) handling the notification when the tagged value is out-of-date with respect to the current synchronization checkpoint value.

15. (Currently amended) The system of Claim 14, wherein handling the notification when the tagged value is out-of-date with respect to the current synchronization checkpoint value, further comprises determining if the tagged value is current with respect to a lost request key, and if so, processing the notification, otherwise discarding the notification.

a1 16. (Currently amended) The system of Claim 15, wherein processing the notification based on the tagged value and the synchronization state, further comprises determining when the synchronization state ~~is set to the synchronization~~ currently in process state is set, and when:

(a) queuing the notification when the tagged value is current with respect to a desired synchronization value level;

(b) discarding the notification when the tagged value is stale with respect to the desired synchronization value; and

(c) handling the notification when the tagged value is out-of-date with respect to the desired synchronization value level.

17. (Currently amended) The system of Claim 16, further comprising processing the notification when the synchronization state ~~is set to the synchronization~~ currently not in process state is set.
